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SHORTER NOTES

A METHOD OF OBTAINING ABUNDANT SPORULATION IN CULTURES OF *MACROSPORIUM SOLANI* E. & M.—During the recent exercises held in connection with the dedication of the completed laboratory building and plant houses of the Brooklyn Botanic Garden the writer reported a method by which abundant sporulation may be obtained in pure cultures of *Macrosporium solani* E. & M. Since the full report will not be published for several months, this abstract of the paper is given.

The method described consists essentially in wounding vigorously growing cultures after they are two or three days old. The fungus is grown in Petri dishes on string bean agar or potato agar. After cultures have made a vigorous growth, the mycelium is wounded by scraping the colonies with a sterile scalpel. Although undisturbed cultures produce few or no spores, those properly wounded fruit profusely. The more thoroughly the wounding is done, the more abundant will be the sporulation in any given culture. Great numbers of conidiophores arise from the cells of the radiating mycelial strands which have been injured by the scalpel. Each conidiophore bears a spore at its tip. Many thousands of spores may be obtained from a single culture which has received the wound stimulus. It is thought that this method may be of interest to those who work with other fungi that do not fruit readily on culture media.

L. O. KUNKEL

LAMIUM AMPLEXICAULE IN COLORADO.—I have today (May 4) collected this species in a vacant lot in Boulder. The genus is new to our Colorado list.

T. D. A. COCKERELL

REVIEWS

Fritsch's *The Algal Ancestry of the Higher Plants*.*

Dr. Fritsch, in his interesting discussion of "The Algal Ancestry of the Higher Plants," gives special attention to trying to corre-

* Fritsch, F. E. *The Algal Ancestry of the Higher Plants*. *The New Phytologist* 15: 233-250. f. 1, 2. 9 Ja 1917.